



Gemological trinocular stereozoom microscope, 7x...45x, pillar stand, transmitted & incident light

Observation Method - Transmitted Light	Brightfield	Yes
	Darkfield	Yes
	Simple polarized light	As optional
Observation Method - Incident Light	Brightfield	Yes
	Darkfield	Yes
	Simple polarized light	As optional
Head	Type	Trinocular
	Construction material	Plastic mold / Aluminum gears
	Split ratio	100/0 - 0/100 (on right tube)
	Inclination	45°
	360° rotating	Yes
	Interpupillary distance (mm)	51-75
	Dioptric adjustment	On both tubes
	Fixing screw for eyepieces	Yes
	Head holder internal diameter (mm)	76
Tube inner diameter (mm)	30	
Eyepieces	Field number (mm)	21
	Magnification	10x
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	23
	High eyepoint (for glass wearers)	Yes
	Rubber cup	Yes
Objective	Optical system	Greenough
	Anti-fungus treatment	Yes
	Objective Type	No
	Zoom type	Parfocal achromatic
	Working distance (mm)	100
	Standard magnifications	7x-45x
	Zoom ratio	6.43
Focusing System	Type	Coarse
	Coarse total travel (mm)	50
	Adjustable tension	Yes
	Head holder internal diameter (mm)	76
Stand	Type	Pillar
	Pillar diameter (mm)	32
Stage	Gemological clamp	Yes, adjustable

Transmitted Illumination	Type	LED
	Darkfield illuminator	Yes, side-emitting LEDs
	Lever for dark background insertion	Yes
	Selector for illumination modes	Yes, 3 modes: - brightfield only - darkfield only - both brightfield and darkfield.
	Light source power (W)	2
	Illuminance (lux)	6,000
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	Max. required power (W)	3

Incident Illumination	Type	Halogen
	Light source power (W)	15
	Illuminance (lux)	35,000
	Brightness control	Manual
	Lifetime (hours)	> 3,000
	Temperature (K)	3,500
	Max. required power (W)	19

Power Supply for Illumination	Type	Internal
	Microscope connector	C13 plug
	Power plug type	Schuko
	Input voltage	110/240 Vac, 50/60 Hz
	Output voltage	12 Vdc

Accessories Included	Dust cover	Yes
	User Manual	Digital version (downloadable)

Additional Information	Maximum sample height (mm):	150
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Product Dimensions	Total height (mm)	315
	Head height (mm)	230
	Head width (mm)	175
	Head depth (mm)	175
	Base height (mm)	60
	Base width (mm)	200
	Base depth (mm)	260

Product Weight	(kg)	5.5
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